Benchtop Dissolved Oxygen Meter LX200BDO

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Description

Benchtop Dissolved Oxygen Meter LX200BDO features a high-contrast touchscreen with an intelligent operating system for advanced user, calibration, and data management. Designed for high-precision dissolved oxygen analysis, it supports automatic temperature and barometric pressure compensation, multi-mode reading functions, air-saturated water and zero oxygen calibration, and data storage for laboratory performance. Ideal for laboratories, water treatment plants, aquaculture, environmental monitoring, and industrial applications, and selectable pressure units for accurate and efficient water quality testing.

Specifications

DO Concentration range	0.00 to 99.99 ppm
DO Concentration resolution	0.01 ppm
DO Concentration accuracy	± 0.10 ppm, 0.00 - 50.00 ppm ± 0.50 ppm, 50.0 - 99.99 ppm
Sensor type	Polarographic
Calibration reminder	Yes
Calibration points	Air saturated water or zero point
Barometric compensation	Yes
Manual salinity factor correction	Yes
DO Saturation range	(0.0 to 600)%
DO Saturation resolution	0.10%
DO Saturation accuracy	± 2.0%
Temperature range	- 10 to 135°C, 14 to 275°F

Temperature unit	°C, °F
Temperature resolution	0.1
Temperature accuracy	± 0.1
Reading mode	Auto-read (fast, medium, slow), timed, continuous
Reading prompts	Reading, stable, locked
Temperature compensation	ATC, MTC
Data storage	1000 Groups
GLP features	Yes
Log management	Yes
DO with temp. probe	4 Pin aviation connector
USB Interface	USB 2.0 flash memory device, PC, scanner
Output	RS232, printer, auto sampler
Display	7 Inches color LCD touchscreen
Auto shutdown	1 - 60 Min, off
Power supply	AC 100 - 240 V input, DC 24 V output
External dimension	220 x 195 x 68 mm
Net weight	0.95 Kg
Packing dimension	310 x 370 x 330 mm

Gross weight	8 Kg

Features

- 7-Inch High contrast color LCD touchscreen display
- Multi-mode reading: auto, backlight, timed & continuous
- Multiple pressure unit selection (kPa, mbar, Torr, Atm)
- High-precision dissolved oxygen measurement system
- Intelligent operating system with user & method management
- Automatic/manual temperature compensation
- GLP-compliant data storage (1000 records per parameter)
- Advanced data analysis & result recalculation
- USB & RS232 Connectivity support
- Factory reset & easy system recovery
- IP54 Waterproof protection
- Air-saturated water & zero oxygen calibration
- Automatic barometric pressure compensation
- Manual salinity correction function

Applications

- Used for accurate measurement of dissolved oxygen levels in water and liquid samples in laboratories, water treatment plants, aquaculture, and environmental monitoring applications. It helps ensure water quality, process efficiency, and compliance with industrial and research standards.

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